QUESTIONS OR COMMENTS?

| COUNTRY | CALL | OR VISIT US ONLINE AT |
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| AUSTRIA | 0800 - SAMSUNG (0800 - 7267864) | www.samsung.com/at/support |
| BELGIUM | 02-201-24-18 | www.samsung.com/be/support (Dutch)<br>www.samsung.com/be_fr/support (French) |
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| BOSNIA | 051 331 999 | www.samsung.com/support |
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AF✳✳FSSDA✳✳ Series
AF✳✳FSZDA✳✳ Series

# Air Conditioner
## user manual

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This manual is made with 100% recycled paper.

imagine the possibilities

Thank you for purchasing this Samsung product.

EN ES FR IT PT DE EL SR HR SQ MK SL DB68-04035A-02

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# Features of your new air conditioner

## Samsung Air Solution! Cool, Clean and refreshing feeling at once

Cool Air : Your air conditioner uses air flow direction control which provide direct air flow in hot days and indirect air flow when you are cooled down.

Refreshing Air : Auto mode will provide refreshing air by selecting the operation mode automatically from Cool, Dry, Purity depending on the indoor air environment.

## 4 seasons of effective cleaning

Purity mode

- ▶ Purity mode can be selected solely to save energy.
- ▶ When the air conditioner operates, Zero filter and the Virus Doctor eliminates harmful contaminants to provide us with the cleanest air.

## Smart sensor

Camera on the top of the indoor unit will detect the movement within the indoor and when there is no movement for a certain time, air conditioner will adjust the indoor temperature or turn off power automatically to save the energy.

❋ Applicable to AF✳✳FSSD✳✳✳ only

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC) and the Electromagnetic Compatibility Directive (2004/108/EC) of the European Union.

***Correct Disposal of This Product***
***(Waste Electrical & Electronic Equipment)***

***(Applicable in countries with separate collection systems)***

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



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# Safety precautions

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

**Important safety symbols and precautions:**

| | |
|---|---|
| **WARNING** | Hazards or unsafe practices that may result in **severe personal injury or death.** |
| **CAUTION** | Hazards or unsafe practices that may result in **minor personal injury or property damage.** |

| | |
|---|---|
| | Follow directions. |
| | Do NOT attempt. |
| | Make sure the machine is grounded to prevent electric shock. |
| | Cut the power at the circuit breaker. |
| | Do NOT disassemble. |

## FOR INSTALLATION | WARNING

**Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.**

- ▶ Extending the power line may result in electric shock or fire.
- ▶ Do not use an electric transformer. It may result in electric shock or fire.
- ▶ If the voltage/frequency/rated current condition is different, it may cause fire.

**The installation of this appliance must be performed by a qualified technician or service company.**

- ▶ Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury.

**Install a switch and circuit breaker dedicated to the air conditioner.**

- ▶ Failing to do so may result in electric shock or fire.

**Fix the outdoor unit firmly so that the electric part of the outdoor unit is not exposed.**

- ▶ Failing to do so may result in electric shock or fire.



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**Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.**

▶ This may result in electric shock or fire.

**Never install the outdoor unit in a location such as on a high external wall where it could fall.**

▶ If the outdoor unit falls, it may result in injury, death or property damage.

**This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.**

▶ Failure to do so may result in electric shock, fire, an explosion, or other problems with the product.

▶ Make sure to use a socket-outlet with ground.

## FOR INSTALLATION | ⚠ CAUTION

**Install your appliance on a level and hard floor that can support its weight.**

▶ Failing to do so may result in abnormal vibrations, noise, or problems with the product.

**Confirm that the indoor unit fixing device has been installed by confirming this at an installation engineer.**

▶ If the indoor unit fixing device is not installed, the indoor unit may vibrate and fall and this may result in injury.





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# Safety precautions

## FOR INSTALLATION ⚠ CAUTION

**Install the draining hose properly so that water is drained correctly.**

▶ Failing to do so may result in water overflowing and property damage.

**When installing the outdoor unit, make sure to connect the draining hose so that draining is performed correctly.**

▶ The water generated during the heating operation, by the outdoor unit, may overflow and result in property damage. Especially in winter time, when water freezes and if a block of ice falls, it may result in injury, death or property damage.

## FOR POWER SUPPLY ⚠ WARNING

**When the circuit breaker is damaged, contact your nearest service center.**

**Do not pull or excessively bend the power line. Do not twist or tie the power line. Do not hook the power line over a metal object, place a heavy object on the power line, insert the power line between objects, or push the power line into the space behind the appliance.**

▶ This may result in electric shock or fire.

## FOR POWER SUPPLY ⚠ CAUTION

**When not using the air conditioner for a long period of time or during a thunder/ lightning storm, cut the power at the circuit breaker.**

▶ Failing to do so may result in electric shock or fire.



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**If the appliance is flooded, please contact your nearest service center.**

▶ Failing to do so may result in electric shock or fire.

**If the appliance generates a strange noise, a burning smell or smoke, cut-off the power supply immediately and contact the nearest service center.**

▶ Failing to do so may result in electric shock or fire.

**In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power line. Do not touch the appliance or power line.**

▶ Do not use a ventilating fan.

▶ A spark may result in an explosion or fire.

**To reinstall the air conditioner, please contact your nearest service center.**

▶ Failing to do so may result in problems with the product, water leakage, electric shock, or fire.

▶ A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.

▶ Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.

**Do not operate the appliance with wet hands.**

▶ This may result in electric shock.

**Do not strike or pull the air conditioner with excessive force.**

▶ This may result in fire, injury, or problems with the product.

▶ Importantly, if the support bracket is excessively impacted, it may become damaged.

**Do not place an object near the outdoor unit that allows children to climb onto the machine.**

▶ This may result in children seriously injuring themselves.

**Do not turn the air conditioner off with the circuit breaker while it is operating.**

▶ Turning the air conditioner off and then on again with the circuit breaker may cause a spark and result in electric shock or fire.

**After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.**

▶ If a child places a bag over its head, it may result in suffocation.



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# Safety precautions

## FOR USING | ⚠ WARNING

**Do not insert your fingers or foreign substances into the outlet when the air conditioner is operating or the front panel is closing.**

▶ Take special care that children do not injure themselves by inserting their fingers into the product.

**Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.**

▶ Take special care that children do not injure themselves by inserting their fingers into the product.

**Do not touch the air flow blade with your hands during the heating operation. Especially, do not put your finger into the air conditioner.**

▶ This may result in electric shock or burns.

**Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.**

▶ Since this may be dangerous due to a lack of oxygen, open a window at least once an hour.

**If any foreign substance such as water has entered the appliance, cut-off the power supply and contact the nearest service center.**

▶ Failing to do so may result in electric shock or fire.

**Do not attempt to repair, disassemble, or modify the appliance yourself.**

▶ Do not use any fuse (such as copper, steel wire, etc.) other than the standard fuse.

▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.



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**Do not place objects or devices under the indoor unit.**

► Water dripping from the indoor unit may result in fire or property damage.

**Check that the installation frame of the outdoor unit is not broken at least once a year.**

► Failing to do so may result in injury, death or property damage.

**Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.**

► This may result in electric shock, fire, problems with the product, or injury.

**Do not operate the appliance with wet hands.**

► This may result in electric shock.

**Do not forcefully open the front panel while air conditioner is operating.**

► This may cause damage to the product.

**Do not spray volatile material such as insecticide onto the surface of the appliance.**

► As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

**Do not drink the water from the air conditioner.**

► The water may be harmful to humans.

**Do not apply a strong impact to the remote controller and do not disassemble the remote controller.**

**Do not touch the pipes connected with the product.**

► This may result in burns or injury.

**Do not use this air conditioner to preserve precision equipment, food, animals, plants or cosmetics, or for any other unusual purposes.**

► This may result in property damage.

**Avoid directly exposing humans, animals or plants from the air flow from the air conditioner for long periods of time.**

► This may result in harm to humans, animals or plants.

**This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.**



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# Safety precautions

## FOR USING | ⚠ CAUTION

**For use in Europe:** **This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.**

**Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.**

## FOR CLEANING | ⚠ WARNING

**Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner, alcohol or acetone to clean the appliance.**

▶ This may result in discoloration, deformation, damage, electric shock or fire.

**Before cleaning or performing maintenance, cut-off the power supply and wait until the fan stops.**

▶ Failing to do so may result in electric shock or fire.

## FOR CLEANING | ⚠ CAUTION

**Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.**

▶ To avoid cutting your fingers, wear thick cotton gloves when cleaning it.

**Do not clean the inside of the air conditioner by yourself.**

▶ For cleaning inside the appliance, contact your nearest service center.

▶ When cleaning the internal filter, refer to the descriptions in the 'Cleaning the air conditioner' section. Failing to do so may result in damage, electric shock or fire.



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# Checking before use



## Using indoor unit

**Make sure that curtain does not block the air inlet.**

▶ It may decrease cooling performance by blocking air circulation.

**In Cool mode, set the appropriate desired temperature.**

▶ If the desired temperature is too low, it may be harmful for human body and power consumption will also increase. Set the desired temperature about 5 °C lower than the outdoor temperature.

**Use extra heating apparatus during heat mode.**

▶ Heating performance of the air conditioner may decrease when the indoor•outdoor temperature drops. Therefore, use extra heating apparatus.

**When cooling the room, use air conditioner and fan together to save energy.**

▶ When the air conditioner is used with fan, cooling will be more effective and energy can be saved.

**When the air conditioner is operating, close the doors and windows.**

▶ When the air conditioner is used with open doors and windows, cooling effect will decrease.

▶ If you use the air conditioner for over an hour, open the window to ventilate the air about once every hour.

**Install the product away from sunlight or heating devices.**

▶ Close the curtain when the sun shines.

▶ Do not use any heating devices during cooling operation. Cooling effect will decrease.

## Storing indoor unit

▶ Dry the air conditioner thoroughly by operating Purity mode for 3 to 4 hours.

▶ Stop the operation and disconnect the power or turn off the auxiliary power switch.

CAUTION

• Do not move the product on your own. Pipe may get loose or pipe can get damaged.

## Using outdoor unit

**Take away covers or barriers.**

▶ It may cause product failure, and poor performance in cooling(heating) by blocking air flow.

## Installing outdoor unit

▶ Install the outdoor unit in well ventilated area with no sunlight. If sunlight is unavoidable, install a sunshade.



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# Checking before use

## Auxiliary power switch

Turn on the auxiliary power switch which is installed separately. (Only applicable for outdoor unit with separate power supply)

NOTE

**Auxiliary power switch (NFB, ELB, etc.)**

- Auxiliary power switch is not included in the package. Purchase and install it separately.
- Auxiliary power switch is a device for preventing over-current or short circuit. Install it separately near the indoor unit and turn it off when cleaning or when you don't use it for long time.
- If NFB or ELB has already installed in the switch box of the building, you don't need to install auxiliary power switch.

## Operation ranges

When the air conditioner operates outside of temperature and humidity range indicated below, protective device may activate and stop the operation.

| Mode | Indoor temperature | Outdoor temperature | Indoor humidity |
|---|---|---|---|
| Cool | 21 ℃ ~ 32 ℃ | 21 ℃ ~ 52 ℃ | Relative humidity 80 % or less |
| Dry | 21 ℃ ~ 30 ℃ | 21 ℃ ~ 52 ℃ | - |
| Heat | 0 ℃ ~ 30 ℃ | -10 ℃ ~ 24 ℃ | |

✻ If the air conditioner operates in cooling mode for long period of time in high humidity area, dew may be formed.

✻ When the outdoor temperature goes down to -10 ℃, the heating capacity may decrease to 60 %~70 % according to the usage condition.

## Functions available for each model

| Model Name | Smart Sensor | ZERO Filter | Virus Doctor | Full HD Filter | Lighting |
|---|---|---|---|---|---|
| AF✻✻FSSDA✻✻N | ● | ● | ● | ● | ● |
| AF✻✻FSZDA✻✻N | - | ● | ● | ● | ● |

✻ The use of some function buttons on the remote controller may differ depending on the model. When pressing the function buttons on the remote controller which are for a different model from the one purchased, the icon of the selected function will be displayed, but cannot be used with your air conditioner.



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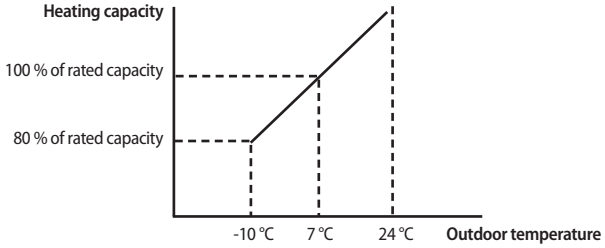
## The heating capacity of heat pump air conditioner on outdoor temperature

If the indoor or outdoor temperature is lower than the rated temperature (Indoor: 20 ℃, outdoor: 7 ℃) or the installation condition (Pipe length over standard of 5m, installation place and insulation etc.) is different, heating capacity may decrease even though the air conditioner performs normally. In this case, use extra heating apparatus.




## Model specification (Weight and dimension)

| Type | Model | Net weight | Net dimension (W x D x H) |
|---|---|---|---|
| Indoor Unit | AF24FSSDAWKN | 31.0 kg | 360 x 269 x 1948 mm |
| Outdoor Unit | AF24FSSDAWKX | 62.5 kg | 880 x 320 x 950 mm |





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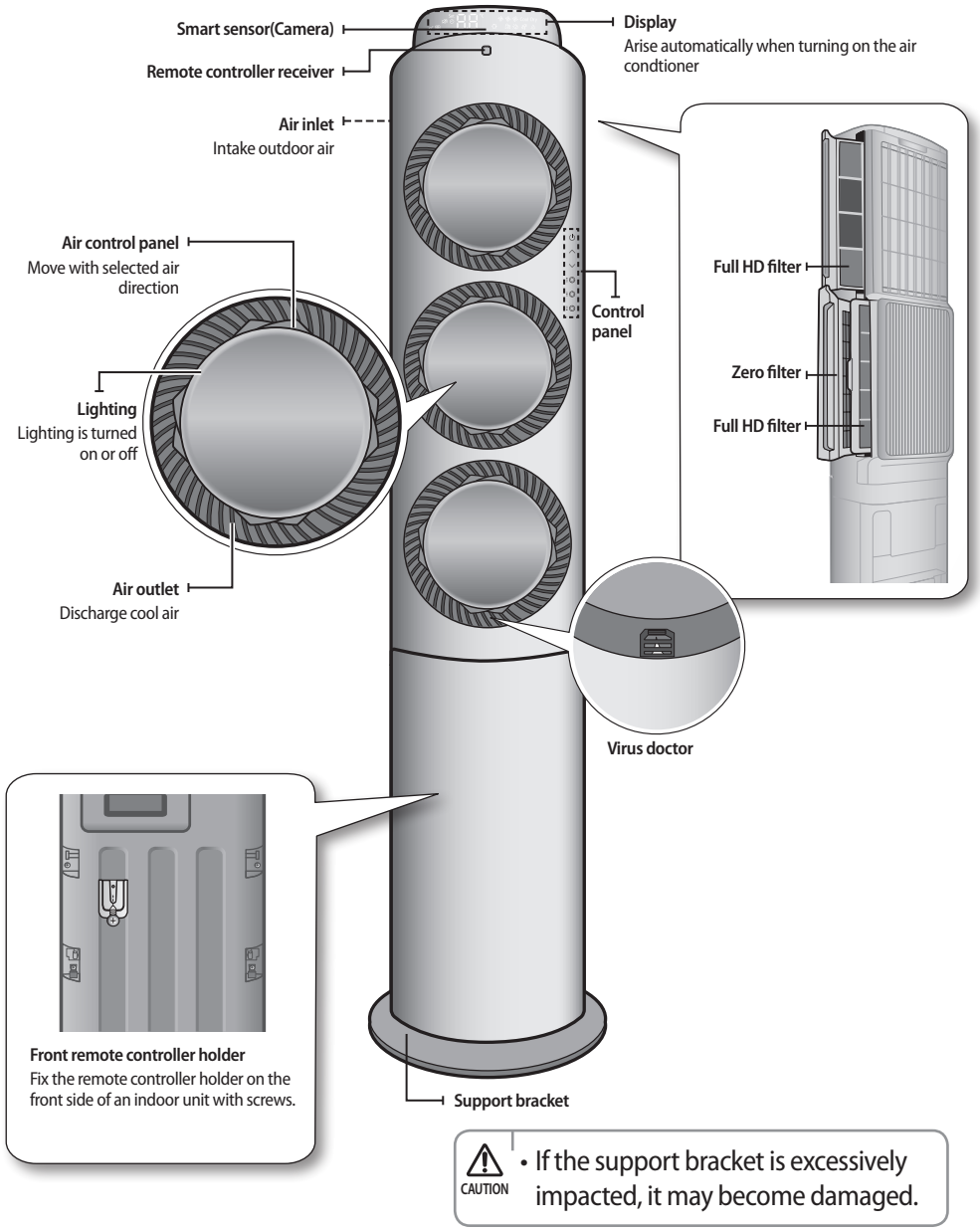
# Checking the name of the parts

Your air conditioner may slightly look different from illustration depending on the model.

## Indoor unit




CAUTION • If the support bracket is excessively impacted, it may become damaged.



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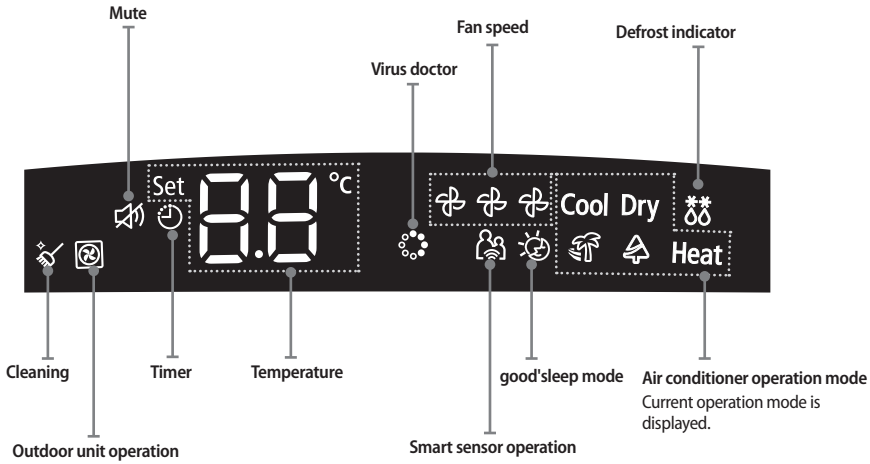
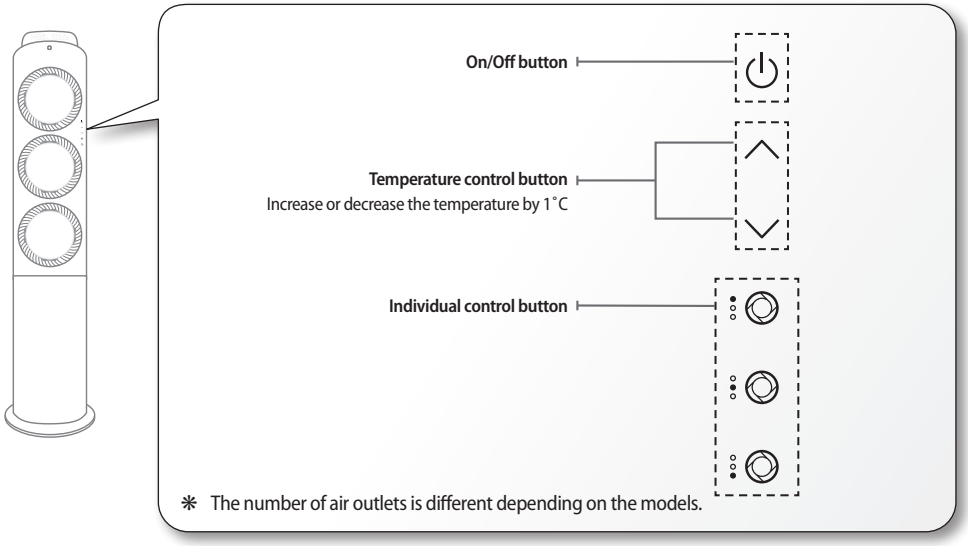
## Display




## Buttons on control panel


On/Off button
Temperature control button
Increase or decrease the temperature by 1˚C
Individual control button
✻ The number of air outlets is different depending on the models.



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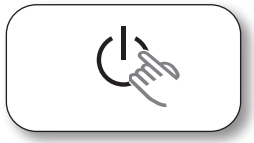
# Checking the name of the parts

## Operation with control panel

1. Operate the air conditioner by pressing the **Power** ⏻ button.

▶ The air outlets will open in order with melody sound and the air conditioner will operate with auto mode.

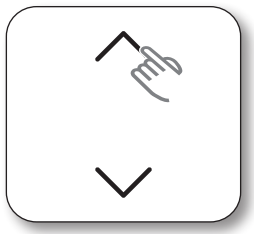


**Stop** Press the **Power** ⏻ button one more time.

2. Adjust the desired temperature by pressing the [∧], [∨] buttons.

▶ When pressing the button first, the mode of air conditioner will change to cool mode.

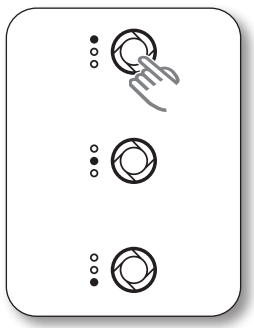
▶ You can adjust the desired temperature by 1 ˚C within the range of 18 ˚C ~ 30 ˚C by pressing the [∧], [∨] buttons.



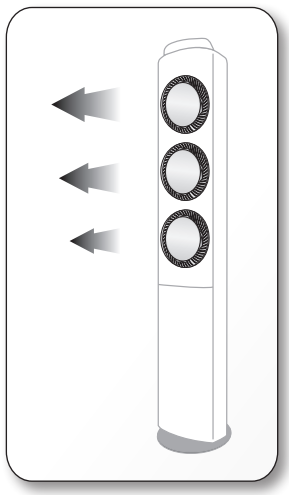
3. Adjust fan height with the three individual air outlet control buttons.

▶ You can adjust the fan height by controlling the air outlet individually.

▶ Individual contol will be canceled when turning the air conditioner off and on.



✻ The fan speed of each air outlet will differ.





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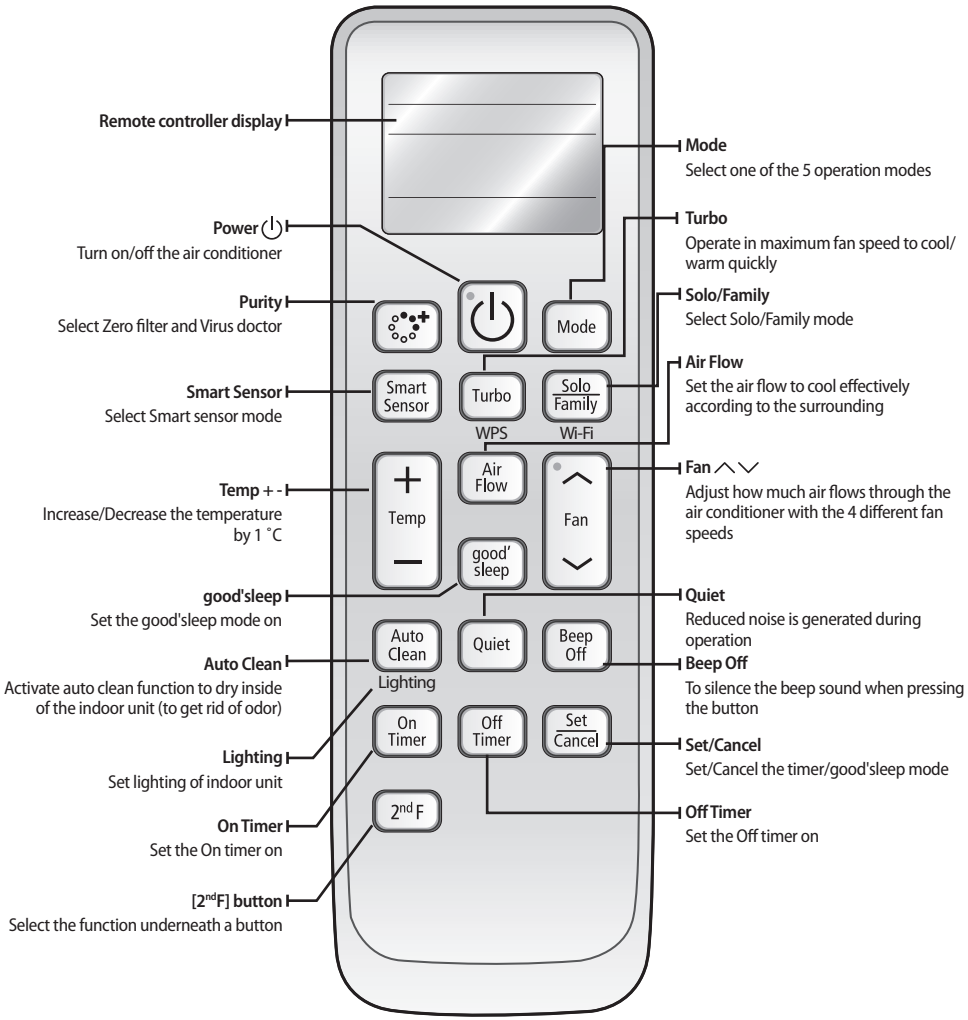
# Checking the remote controller

Function may be different depending on the model.

- ▶ Point the remote controller towards the remote control receiver of the unit.
- ▶ When the button is pressed, you will hear ringing or beep sound and Transmit indicator (📶) will appear on the remote controller display.

## Remote controller buttons




NOTE

- **2ndF** button: When pressing the **2ndF** button, 2ndF will appear on the remote controller display and you can select the below function of a button.(e.g. When pressing 2ndF ▷ Auto Clean Lighting, you can select the Lighting function.) If you press the **2ndF**, **Power**, **Purity** and the **Set/Cancel** button or don't press any buttons for 10seconds, the display will disappear and you can select the function of the button.



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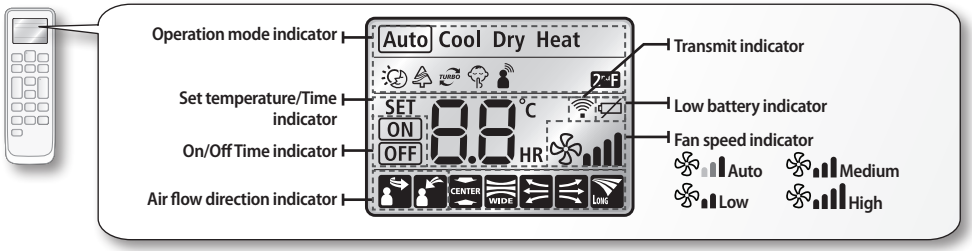
# Checking the remote controller

## Remote controller display




✳ **Left fan and right fan will be displayed as not supported function and reception sound will be ringing. However, the left and right fans will not operate.**

### Battery changing time

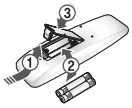
When the battery is exhausted,( )will be displayed in the remote controller display. When the icon appears, change the batteries. The remote controller requires two 1.5V AAA type batteries.

### Storing the remote controller

When you do not use the remote controller for a long time, remove the batteries from the remote controller and store it.

### Inserting the batteries

1. Open the battery cover.
   ► Push the ( ) part in the direction of the arrow and lift up the cover.




2. Insert the batteries.
   ► Check and match the (+), (-) signs and insert them in correct position.
3. Close the battery cover.
   ► Match the cover and bottom part of the remote controller and press it until you hear click sound.

CAUTION
- Make sure that water is not allowed to enter the remote controller.

NOTE
- There is a possibility that the air conditioner will not operate by remote controller near strong light such as a fluorescent lamp or neon sign. In this case, use the remote controller in front of the remote controller receiver of the indoor unit.
- If other electrical products are operated by the remote controller, call your nearest service center.

***Correct disposal of batteries in this product***

***(Applicable in countries with separate collection systems)***

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.



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# Basic operation

Basic operation is an operation mode that can be selected by pressing the **Mode** button.

## Auto

In Auto mode, the air conditioner will automatically set the operation mode in Cool/Dry/Fan mode to provide refreshing air throughout your indoor area.

- In Auto mode, the air conditioner will automatically set the operation mode depending on the indoor surrounding.
  - Display on the indoor unit will display Auto (Cool), Auto (Dry) and Auto (Purity)
- In Auto mode, Smart sensor will detect the surrounding area with the camera on the indoor unit. Therefore, air flow direction and the fan speed may differ depending on the surrounding condition.
- When selecting individual control in auto mode, the auto mode will be canceled.

## Cool

Cool mode is frequently used and you can freely control the temperature, fan speed, and air flow direction in cool mode.

## Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. Outdoor unit will repeatedly and automatically turn on/off for maximum dehumidification according to the temperature difference of the current and desired temperature. When the outdoor unit operates, cool air may come out from the indoor unit.

- As you lower the set temperature of a remote controller, the amount of dehumidification will increase.
- As you lower the set temperature of a remote controller, indoor temperature may decrease.

## Purity ( )

This operation eliminates harmful contaminants within the air to provide a healthy and clean environment.

- You can select Purity mode by pressing the button while the air conditioner is on or off.
- In purity mode, will appear on the display of an indoor unit and will appear in 1 minute.
- You can press the button during Cool/Dry mode and adjust the desired temperature.
- If you select Purity function in Auto mode, operation mode will change to Cooling (Purity) mode.
- Front panel will be closed slightly when Purity mode is selected solely while the air conditioner is operating.
- When the Purity mode is selected during air conditioner operation, changes in power consumption or operation noise will be very subtle.
- When the air conditioner and Purity mode is on at the same time, you can press the **Power** button to stop the operation.
- When Purity mode is on, you can press the button to stop the Purity operation.

## Heat

In heat mode, the indoor temperature, fan speed, and air flow direction can be adjusted at your desire to warm your indoor.

- Just after starting the Heat mode, fan may not operate to prevent cool breeze from coming out.
- Defrost display: When removing frost at the outdoor unit in the Heat mode, icon will be displayed on the indoor unit display and it will be turned off after removing the frost. (When removing the frost during the defrost operation in Heat mode, steam may be generated and the warm breeze may not come out from the indoor unit.)



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# Basic operation

**Press the ⏻ button to turn on the air conditioner.**

**Press the Solo Family button to set Solo/Family mode.**

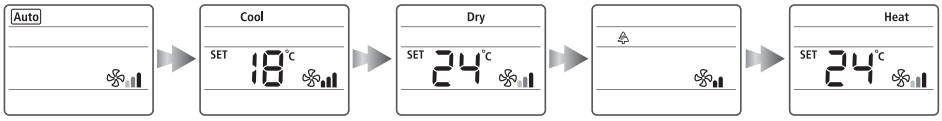
- Solo : Select this function if you are alone in the room or want to save your electricity bill.
- Family : Select this function if there are lots of people in the room or require powerful cooling.

| Family mode | Solo mode | Remarks |
|---|---|---|
| ○<br>○<br>○ | ●<br>○<br>○ | The middle air outlet will be closed when the air conditioner reaches the desired temperature in solo mode. When selecting the solo mode in purity mode, the upper and middle air outlets are closed. |

○: Open ● : Close

- Family mode is set as default setting in all operation mode except Auto mode.
- During Auto mode, Solo/Family mode cannot be changed with remote controller.

**Press the Mode button to set the operation mode.**




**Press the Fan button to set the desired fan speed.**

| | |
|---|---|
| **Auto** | (Auto) [ Operation mode will change to Cool mode when the Fan speed is adjusted.] |
| **Cool** | (Auto), (Low), (Medium), (High) |
| **Dry** | (Auto) |
| **Purity ( )** | (Low), (Medium), (High) |
| **Heat** | (Auto), (Low), (Medium), (High) |

**Press the Temp + − button to adjust the desired temperature.**

| | |
|---|---|
| **Auto** | Operation mode will change to Cool mode when desired temperature is adjusted. |
| **Cool** | You can adjust the desired temperature by 1 ℃ within the range of 18 ℃~30 ℃. |
| **Dry** | You can adjust the desired temperature by 1 ℃ within the range of 18 ℃~30 ℃. |
| **Purity ( )** | Temperature adjustment is not possible. |
| **Heat** | You can adjust the desired temperature by 1 ℃ within the range of 16 ℃ ~ 30 ℃. |

NOTE

- If you select Purity function additionally while operating in other mode, you can adjust the temperature (except in Auto mode).
- If you press the **Temp +** or **-** button on the indoor unit control panel while operating in Purity mode, operation mode will change to Cool mode.



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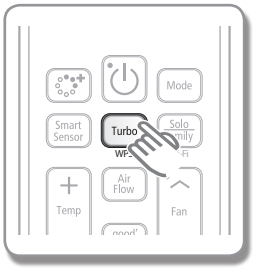
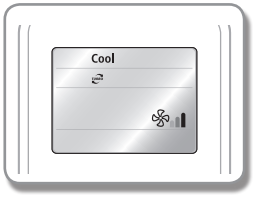
# Turbo operation

Turbo function will be helpful to cool/heat your room quickly and effectively.

**Press the Turbo button on the remote controller in the Cool/Heat mode.**




▶ Turbo indicator TURBO appears on the remote controller display and the air conditioner will operate in Turbo function for 30 minutes.

**Cancel** Press the **Turbo, Mode, Quiet, Smart Sensor** or **good`sleep** button.

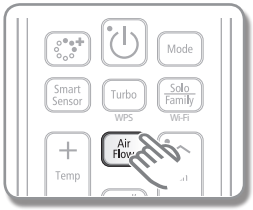
NOTE

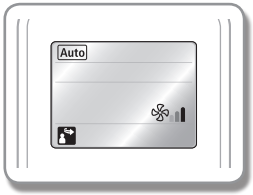
- Turbo function is only available in the Cool/Heat mode.
- If you select the Turbo function during the Quiet/Smart sensor/good`sleep operation, the Quiet/Smart sensor/good`sleep operation will be canceled.
- You can adjust the air flow direction.
- You cannot adjust the desired temperature and fan speed.
- When selecting individual control in turbo mode, the turbo mode will be canceled.

# Air flow direction

You can adjust the air flow direction according to the surrounding environment.

**Press the Air Flow button to select desired air flow direction.**




| | |
|---|---|
| Indirect | Air will not flow to the person directly but provide coolness rather indirectly. |
| Direct | Cool(warm) air will flow directly to the person. |
| Center | Cool(warm) air will come out intensively from the center. |
| Wide | Air flow blades will move left/right to provide the cool(heat) air to wide range of area. |
| Long | It is efficient to cool(warm) the area further away. |

| Operation mode | Supported air flow |
|---|---|
| Auto | Indirect, Direct |
| Cool/Dry/Purity/Heat | Center, Wide, Long |

NOTE

- Air flow cannot be selected during good'sleep mode.
- When the Long air flow direction is selected, you may change the fan speed from the remote controller and the beep may sound but the air conditioner is not actually operating in selected setting.

| MODE | Model Name | Air flow direction |
|---|---|---|
| AUTO | AF✳✳FSSDA✳✳N | Indirect, Direct |
| | AF✳✳FSZDA✳✳N | You cannot adjust the direction of air flow. |



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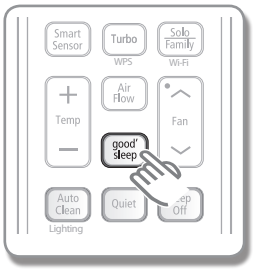
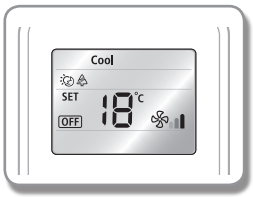
# good'sleep operation

For a comfortable sleep, the air conditioner will operate in Fall asleep ▷ Sound sleep ▷ Wake up from good' sleep mode.

**When the air conditioner is on and in cool mode.**




1. Press the **good'sleep** button on the remote controller to select the good'sleep mode.
   ▶ good'sleep indicator appears and Off timer indicator starts blinking on the remote controller display.
2. Press the **good'sleep** button to set the time.
   ▶ You can set the time in half hourly units from 30 minute ~ 3 hours and hourly units from 3 hour ~ 12 hours.
   ▶ The operation hour can be set to minimum 30 minutes and maximum 12 hours.
   ▶ Default operation hour is set to 8 hours.
3. Press the **Set/Cancel** button to activate it.
   ▶ Off timer indicator stops blinking and set time will be displayed.
   ▶ / icon appears in the display of the indoor unit and good'sleep mode starts operating.
   ▶ If you don't press the **Set/Cancel** button to start the good'sleep mode within 10 seconds, the operation is canceled so you should check the Off indicator on the remote controller display and / icon on the indoor unit display.

**Cancel** Press the **Set/Cancel** button once again.

| | |
|---|---|
| Temp | You can set the desired temperature by 1 ˚C within the range of 18˚C~30 ˚C. |
| Fan | Fan speed will be adjusted automatically according to the good'sleep mode. |
| Air Flow | Air flow direction will be adjusted automatically according to the good'sleep mode. |



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**Temperature and fan speed changes in good'sleep mode**

1. Fall asleep mode : Provides you with a comfortable environment for a good sleep by rapidly cooling your room and releasing a breeze that induces sleep.
2. Sound sleep mode : The sound sleep mode adjust temperature and air flow in waves to maintain healthy skin temperature while it aids deep sleep. According to the change of good' sleep operation hours, the sound sleep hour can be longer or shorter.
3. Wake up from good'sleep mode : Provides you with the air flow that adjusts your body temperature to wake you up in a fresh status.

NOTE

- In first 30 minutes of good'sleep mode, air conditioner will operate in Purity (Cool) mode.
- The recommended set temperature is 25 ℃~27 ℃ and 26 ℃ is the most ideal temperature. If the set temperature is too low, you may feel cold or dry and catch a cold.
- You may not have such a restful sleep if the good'sleep is set too short or long because the default is set to 8-hour-operation.
- If the good' sleep mode is set less than 4 hours, the operation will stop after the set hours. If the good'sleep mode is set over 5 hours, it will run as Wake up stage from the last one hour before it stops automatically.
- If you press the **Solo/Family, Smart Sensor, Turbo, Mode** or **Quiet** button during the good' sleep operation, the operation is canceled and the selected operation starts.
- Only the latest setting timer will be applied between the On Timer/Off Timer and good'sleep functions.
- You can set the Purity function during the good' sleep operation.
- When operating the good'sleep mode, the air outlet will be automatically turned off and on depending on the difference between the current temperature and desired temperature.





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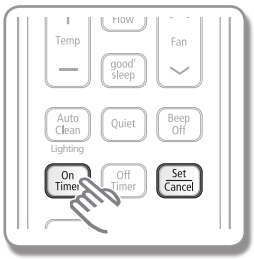
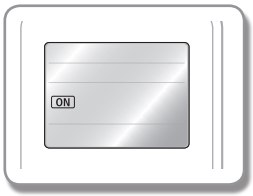
# Setting the On/Off timer

You can set the air conditioner to turn on/off automatically at desired time.

**Setting On timer while the air conditioner is off / Off timer while the air conditioner is on.**

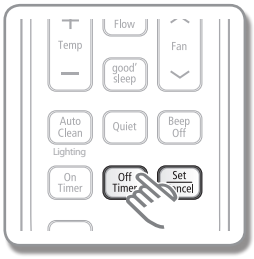


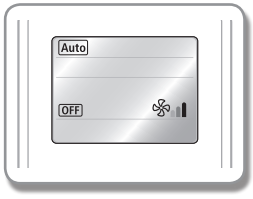




<Setting On timer>

1. Press the **On timer** or **Off timer** button.
▶ On/Off timer indicator will blink on the remote controller display.
2. Press the **On timer** or **Off timer** button repeatedly to set the time.
▶ You can set the time in half hourly units from 30 minute ~ 3 hours and hourly units from 3 hour ~ 24 hours.
▶ The set hour is set to minimum 30 minutes and maximum 24 hours.
3. Press the **Set/Cancel** button to activate it.
▶ On/Off timer indicator will stop blinking and the set time will be displayed.
▶ icon appears in the display of the indoor unit and timer setting will be completed.
▶ If you don't press the **Set/Cancel** button within 10 seconds after selecting the On/Off timer function, the air conditioner will return to the previous status, so you should check the On/Off timer indicator on the remote controller display or icon on the indoor unit display.

**Cancel** Press the **Set/Cancel** button once again.




<Setting Off timer>

| Additional options available in On timer mode | |
|---|---|
| Mode | You can select from Auto ▷ Cool ▷ Dry ▷ Purity ▷ Heat. |
| + Temp − | You can adjust the temperature in Auto/Dry/Heat mode. Operation mode will change to Cool mode if you press the **Temp** + or - button in Auto mode, and you cannot adjust the temperature during Purity mode. |
| Fan | You cannot adjust the fan speed. |

NOTE

- Only the latest setting timer will be applied between the On Timer/Off Timer and good'sleep functions.
- About 10 seconds after setting the On timer, only the On timer indicator will appear on the remote controller display.
- If you press the **Power** button on the indoor unit after setting the On timer function with the remote controller, Timer indicator on the indoor unit display will disappear and the function will be canceled. However, Timer indicator on the remote controller will remain on but the function will not work.



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| Combining On Timer and Off Timer | |
|---|---|
| **If the air conditioner is Off** | **If the air conditioner is On** |
| **Preset time on On timer is shorter than Off timer**<br>Ex) On timer : 3 hours, Off timer : 5 hours<br>- The air conditioner will turn on after 3 hours from the moment you have set the timer. Your air conditioner will remain on for 2 hours and then turn off automatically. | **Preset time on On timer is longer than Off timer**<br>Ex) On timer : 3 hours, Off timer : 1 hour<br>- The air conditioner will be turned off after 1 hour from the moment you have set the timer. After 2 hours, your air conditioner will turn on. |

NOTE
- On timer and Off timer setting time should be different from each other.
- If you press **Set/Cancel** button or **Power** ⏻ button while the both On timer and Off timer are set simultaneously, the functions of both On timer and Off timer are canceled at the same time.





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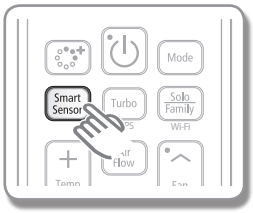
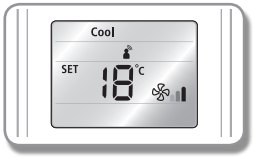
# Smart sensor operation

✻ Applicable to AF✻✻FSSD✻✻✻ only

In Cool mode, camera on the top of the indoor unit will detect the movement within the indoor and when there is no movement for certain time, air conditioner will adjust the indoor temperature or turn off power automatically.

**Press the Smart Sensor button during Cool mode.**




<Remote controller display>

<Indoor unit display>

- icon appears on the remote controller display and the icon appears on the indoor unit display.
- When the movement is not detected for 1 hour, temperature will be adjusted automatically.
- When the movement is not detected for 2 hours, air conditioner will turn off automatically.

**Cancel** Press the **Smart Sensor** button once again.

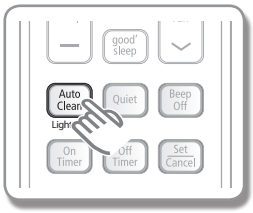
NOTE

- Smart sensor will detect about 25° on the left and right side of the product.
- In dark places, camera cannot detect the movement and Smart sensor function may not work properly.
- Smart sensor mode may get disturbed by change of light or movement change caused by devices such as TV, fan...etc.

# Lighting function

You can create fresh mood of indoor room with soft light by turning the light on.

**After pressing the 2nd F button and checking the 2nd F indicator on the remote controller display, press the Auto Clean Lighting button to adjust the lighting level of an indoor unit.**




<Remote controller display>

- Each time you press the **Lighting** button during air conditioner operation, the lighting level will be adjusted. (The lighting function will work only with opened air outlet.)
- When changing the lighting level, press the **2ndF** button first and then press the **Lighting** button repeatedly to adjust the desired level.

| Press times | Brightness |
|---|---|
| 1 | Level 1 (Low) |
| 2 | Off |
| 3 | Level 3 (High) |
| 4 | Level 2 (Medium) |

NOTE

- The lighting figure may change depending on the status of air conditioner operation.
- The lighting figure will differ depending on the models.
- The use of lighting function will be different depending on the model.
- When the air conditioner is turned off, the reception sound will be ringing from the air conditioner but the lighting function will not operate.



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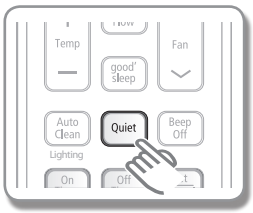
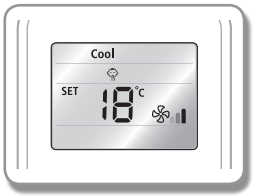
# Quiet operation

This function can reduce the noise generated during air conditioner operation.

**Press the** Quiet **button to select Quiet function.**




▶ icon will appear on the remote controller display.

**Cancel** Press the **Quiet**, **Mode** or **Fan** ∧, ∨ button once again.

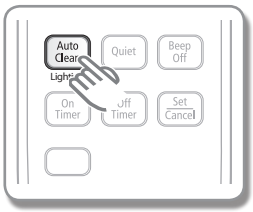
| | |
|---|---|
| + Temp − | You can adjust the desired temperature by 1 °C within the range of 18 °C~30 °C. |
| ∧ Fan ∨ | Since the fan speed is fixed as (Auto), pressing the **Fan** ∧, ∨ button will cancel the Quiet operation. |
| Air Flow | You can set the air flow direction. |

NOTE
- You can select the Quiet operation while the air conditioner is in cool mode. If you select the Quiet operation during the Smart sensor/Turbo/good'sleep operation, corresponding operation will be canceled.
- When selecting individual control in quiet mode, the quiet mode will be canceled.

# Auto clean operation

Auto clean function will prevent mold from growing by eliminating the moisture inside of the indoor unit.

**Press the** Auto Clean **button.**



**When the air conditioner is turned on,**

▶ icon appears in the display of the indoor unit and the Auto cleaning function will run for 3 minutes after air conditioner stops operating.

**When the air conditioner is turned off,**

▶ icon appears in the display of the indoor unit and the Auto cleaning function will run for 3 minutes.

**Cancel** Press the **Auto Clean** button once again.

NOTE
- The Auto clean indicator appears only on the indoor unit display.
- If you select another mode during auto clean operation, the selected mode will start its operation. When the selected mode finishes, the auto clean function will be initialized and run again for 3 minutes.



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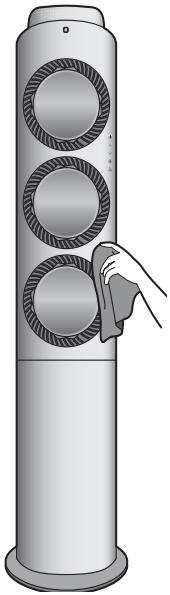
# Cleaning the air conditioner

CAUTION
- Make sure to turn off the circuit breaker when cleaning the air conditioner.

## Cleaning the indoor unit

- Wipe the surface of the unit with a slightly wet or dry cloth when needed.
- Brush away the dust on the narrow gap of air conditioner.

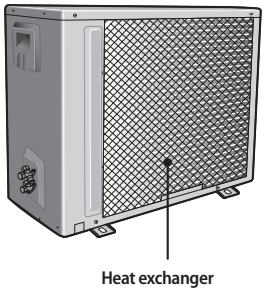


NOTE
- Since the panel of the product can be scratched easily, use the exclusive cleaning cloth (micro fiber) for cleaning. Wet the exclusive cleaning cloth (micro fiber) with little bit of water, and make sure to remove any foreign object on the clowth since the product can be scratched easily.
- When cleaning the indoor unit, use soft and slightly wet cloth(micro fiber) because the indoor unit panel is easily scratched. Dust off the cloth before cleaning to prevent indoor unit from being scratched by the foreign material on the cloth.
- If it is difficult to clean the indoor unit heat exchanger on your own, contact service center.

CAUTION
- Do not clean the display using alkaline detergent.
- Do not clean the surface with sulfuric acid, hydrochloric acid or organic solvents (thinner, kerosene, acetone) or attach stickers. It may damage the surface of the unit.

## Cleaning the outdoor unit heat exchanger

- When dust accumulates on the heat exchanger, it may decrease cooling(heating) performance. Therefore, clean it regularly.
- Spray water to clean the dust.




NOTE
- If it is difficult to clean the outdoor unit heat exchanger on your own, contact service center.

CAUTION
- Be careful with the sharp edges on the outdoor unit heat exchanger.



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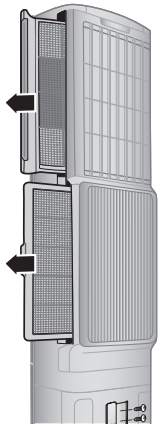
## Cleaning the Full HD filter

Full HD Filter filters the big dust of incoming air.

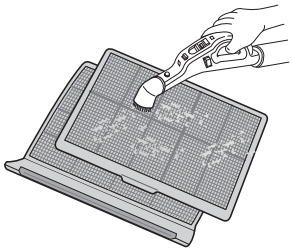
**Pull out the Full HD filter in the arrow direction.**

- ▶ Before pulling out the lower Full HD filter, take out the Zero filter first.



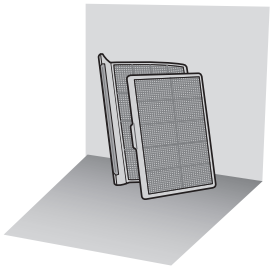
**Remove dust with a vacuum cleaner or running water.**

- ▶ When the dust is serious, clean the filter with warm water which contains a neutral detergent. However, when rubbing out the filter with a brush, the Full HD filter may be damaged.



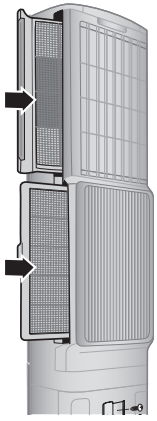
**Dry the filter completely in the shade.**

- ▶ When drying the Full HD filter, make sure the filter is not exposed to direct sunlight.



**Push the Full HD filter to the end in the arrow direction so that it can be completely fixed.**

- ▶ After pushing the lower Full HD filter, push the Zero filter.



NOTE

- Clean the Full HD filter every 2 weeks. Cleaning term may differ depending on the usage and environmental conditions.



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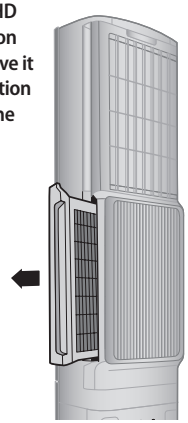
# Cleaning the air conditioner

## Cleaning the Zero filter

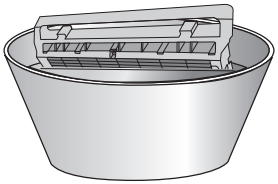
Zero filter traps small dust particles within the air. It is washable and it can be used semi-permanently.

**Remove the lower Full HD filter. Grasp the handle on the Zero filter and remove it by pulling it in the direction of the arrow shown in the figure.**



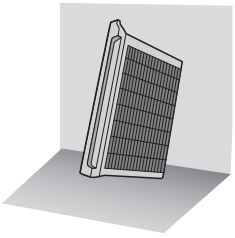
**Soak the filter in the water and shake it up and down for few times.**

- ▶ Do not disassemble the Zero filter when cleaning it.
- ▶ If the accumulated dust is heavy, soak the filter in water mixed with detergent and shake it in water for 30 minutes until it is cleaned.

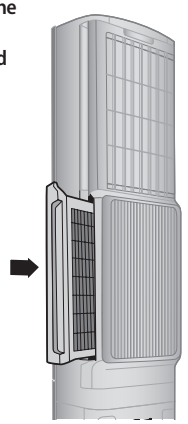


**Dry the filter in a ventilated area.**

- ▶ Put the filters vertically for 12~24 hours when drying (Drying time can be shorter depending on the condition)
- ▶ Do not dry the Zero filter in direct sunlight. It may get deformed.



**Push the Zero filter in the direction of the arrow and make sure it is fixed in correct position. Put the lower Full HD filter back.**



CAUTION

- Be careful with the sharp rear surface of the Zero filter. You may cut in your hands.

NOTE

- Clean the Zero filter every 3 months. (Based on 8 hours of use per day.) Cleaning term may differ depending on the usage and environmental conditions.



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# Troubleshooting

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

| PROBLEM | SOLUTION |
|---|---|
| **The air conditioner does not work at all.** | • Check power status and then operate the air conditioner again.<br>• Switch on the circuit breaker and then operate the air conditioner again.<br>• Check if the air conditioner is turned off by Off timer or Smart sensor. Operate the air conditioner again by pressing the **Power** ⏻ button. |
| **Front panel remains open.** | • Check if there is a power failure.<br>• Check if there is any object blocking the front panel from closing. Remove the object and then operate again. |
| **The temperature adjustment is not working.** | • Check if you have selected Turbo/Purity mode. In these modes, temperature adjustment is not available. |
| **Cool air does not come out of the air conditioner.** | • Check if the set temperature is higher (in Cool mode)/ lower (in Heat mode) than the current temperature. Press the **Temp** + or - button to set the temperature lower (in Cool mode)/ higher (in Heat mode than the current temperature.<br>• Check if the Full HD Filter is blocked by dirt. If there is a lot of dust on the Full HD Filter, cooling (heating) performance may decrease. Clean them frequently.<br>• Check if the outdoor unit is covered or installed near the obstacle. Take the cover off and take the obstacle away.<br>• If you want to operate the air conditioner in the sunlight, cover the outdoor unit using curtains or etc.<br>• If ice is formed on the outdoor unit during the heat mode, warm breeze will not be generated. The defrost operation will start automatically.<br>- The defrost operation time may change depending on the status of ice formation.<br>• If the doors or windows are open, it may cause poor cooling performance. Close the doors and windows. |





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# Troubleshooting

| PROBLEM | SOLUTION |
|---|---|
| **Cool air does not come out of the air conditioner.** | • If you have selected Purity mode without selecting other mode, cool air does not come out of the air conditioner. Press the **Mode** button to select other mode.<br>• Check if the pipe length is too long. When the pipe length exceeds maximum allowable pipe length, cooling (heating) performance may decrease. |
| **Air flow adjustment is not working.** | • Check if you have selected good'sleep mode. In this mode, you cannot adjust the air flow direction since it is set to Auto. |
| **Fan speed adjustment is not working.** | • Check if you have selected Dry/Turbo/good'sleep mode. In these modes, fan speed is set to Auto and you cannot adjust the fan speed. |
| **Remote controller is not working.** | • Check if your batteries are depleted.<br>• Make sure nothing is blocking your remote controller sensor.<br>• Check whether there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.<br>• Stand towards the center of the product, point the remote controller towards the remote control receiver and press the button. |
| **Timer function does not work.** | • Check if you have pressed the **Set/Cancel** button on the remote controller after setting the time. |
| **The air conditioner is not turned off.** | • Check the air conditioner is in auto cleaning mode. When turning the air conditioner off after using the auto cleaning function, it will take 3 minutes to turn the air conditioner off. |
| **Odors permeate in the room during operation.** | • Odor may permeate depending on the surrounding environment or operating condition. Ventilate the indoor air.<br>• Check if the appliance is running in a smoky area. Ventilate the room or operate the air conditioner in Purity mode for 1~2 hours. (We do not use smelly components in the air conditioner.)<br>• Clean the Zero filter and Full HD Filter if they are dirty. |



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| PROBLEM | SOLUTION |
|---|---|
| **Error is indicated** | • When error indications appear on the indoor unit display, press the **Set/Cancel** button and **Fan** ∨ button for 4 seconds. If error indications appear again, contact a service center.<br>• When E1→01, E2→01, and E2→02 appear on the indoor unit display, check the power cable of outdoor unit is connected. If the connection is ok, turn the indoor unit off and on again.<br>• When E1→03, E1→05, E1→21, E1→22, E1→23, E1→28, E1→29, E1→54, E1→55, E1→61, E1→63, E1→76, E1→87, E1→98, E2→03, E2→21, E2→37, E2→46, E2→51, E2→61, E3→20, E4→01, E4→04, E4→16, E4→19, E4→40, E4→41, E4→58, E4→61, E4→62, E4→63, E4→64, E4→65, E4→66, E4→67, E4→68, E4→69, E4→70, E4→71, E4→72, E4→74, E4→83, E4→85, E5→00, E5→54 are blinking, the air conditioner has a problem. In this case, contact a service center. |
| **Noise is generated** | • Depending on the status of the air conditioner usage, noise can be heard when refrigerant flow movement changes. It is normal.<br>• Cracking sound may ocuur during the operation of the air conditioner, push the Zero filter to the end. |
| **Steam is generated from the outdoor unit** | • When the air conditioner is in heat mode in the winter, steam may generate during the frost removing operation. Therefore, do not worry about fire with this. |
| **Water is dropping from the outdoor unit piping connection** | • Water may be generated because of the temperature difference. It is normal. |



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# Open Source Announcement

The software included in this product contains open source software. You may obtain the complete corresponding source code for a period of three years after the last shipment of this product by sending an email to mailto:oss.request@samsung.com.

It is also possible to obtain the complete corresponding source code in a physical medium such as a CD-ROM; a minimal charge will be required.

The following URL http://opensource.samsung.com/opensource/Memory/seq/0 leads to the download page of the source code made available and open source license information as related to this product. This offer is valid to anyone in receipt of this information.

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